PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220		
PCT04-057		as, where applicable, item 5 below.		
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/KR2004/002857	05 NOVEMBER 2004 (05.11.2004	4) 05 NOVEMBER 2003 (05.11.2003)		
Applicant				
SK TELECOM CO., LTD. et al		<u> </u>		
This International search report has been pren	ared by this International Searching Authori	y and is transmitted to the applicant according		
to Article 18. A copy is being transmitted to the	he International Bureau.	,		
This international search report consists of a to	otal of 3 sheets.			
	y of each prior art document cited in this repo	ort.		
1. Basis of the report		of all international numbers on the		
a. With regard to the language, the inte- language in which it was filed, unles	ernational search was carried out on the basi s otherwise indicated under this item.	s of the international application in the		
1 .	was carried out on the basis of a translation o	the international application furnished to		
1	and/or amino acid sequence disclosed in the	international application, see Box No. I.		
2. Certain claims were found un				
3. Unity of invention is lacking (S	see Box No. III)			
4. With regard to the title,				
the text is approved as submitted	this Authority to read as follows:			
line text has been established by	uns Authority to read as follows.			
•		•		
	·	*		
•				
5. With regard to the abstract,				
the text is approved as submitted				
	ording to Rule 38.2(b), by this Authority as			
may, within one month from the	date of mailing of this international search re	port, submit comments to this Authority.		
6. With regard to the drawings,				
a. the figure of the drawings to be public	shed with the abstract is Figure No			
as suggested by the applican		·		
because the applicant failed				
because this figure better ch				
b. none of the figure is to be publish	ned with the abstract.			
	•			

Form PCT/ISA/210 (first sheet) (January 2004)

International application No. PCT/KR2004/002857

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04B 7/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched KR: IPC as above

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) KIPASS, DELPHION, ESPACENET & Keywords: frequency, assignment, ratio, change and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	US 2002/0085523 A1 (LG ELECTRONICS INC.) 4 July 2002 * the whole document *	1 - 46	
Α .	US 2001/0030956 A1 (GOPA CHILLARIGA ET AL.) 18 October 2001 * the whole document *	1 - 46	
A	US 2002/0037726 A1 (STANISLAW CZAJA ET AL.) 28 March 2002 * the whole document *	1 - 46	
	US 2003/0227897 A1 (MASAAKI OKADA) 11 December 2003 * the whole document *	1 - 46	
		Î	

Further documents are listed in the continuation of Box C.

See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

22 MARCH 2005 (22.03.2005)

Date of mailing of the international search report

22 MARCH 2005 (22.03.2005)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR2004/002857

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